

CLAIMS

1. A low-profile motor, comprising a rotor yoke having a rotor magnet on an inner surface or an outer surface and being rotationally supported on a motor base via a shaft, and a stator core constituted of a plurality of winding parts each having an end opposed to the rotor magnet, wherein
5 the plurality of winding parts constituting the stator core are cut to be like tongues along a radial direction of a hole and integrated, the hole having been formed on the motor base to support the rotor yoke via the shaft, and each of the winding parts is bent such that the end of the winding part
10 is opposed to the rotor magnet.
- 15 2. The low-profile motor according to claim 1, wherein the motor base includes the plurality of winding parts is entirely formed of a silicon steel plate.
- 20 3. A method of manufacturing a low-profile motor comprising a rotor yoke having a rotor magnet on an inner surface or an outer surface and being rotationally supported on a motor base via a shaft, and a stator core constituted of a plurality of winding parts each having an end opposed to the rotor magnet, wherein
15 the method comprises:
25 forming, on the motor base, a hole for supporting the rotor yoke via the shaft;
30 cutting the plurality of winding parts constituting the stator core, to be like tongues along a radial direction of the hole, and integrating the winding parts on the motor base;
and
35 bending each of the winding parts such that the end of the winding part is opposed to the rotor magnet.

4. The method of forming a low-profile motor according to claim 3, wherein the step of cutting the plurality of winding parts on the motor base and the step of bending the winding parts are performed by press processing.